ATTACHMENT

29 1978

Mr. Bogene P. Holland, Chairman ACI Standard:Beilding Code Reparirements for Mainforced Concrete (ACI 388-78) Wiesfinger-Holland Ltd. 32 West Randolph Street Chicago, IL 90601

2.94

KSS:SEB

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Der Hr. Holland:

Reference is made to the Soctions 9.2.4 and 9.2.5 of the Code which deal with the lateral pressure and the wortical pressure due to liquids. The way it is written, it is open to various interpretations:

- a) It is not clear whether ground unter contained in the soil below water table should be considered as a "liquid" and be included in the dead lead and is computation of bending moment be assigned a lead factor of 1.4 or be considered as a part of soil pressure (R), and therefore, be assigned a lead factor of 1.7.
- b) It is not clear whether the statement: "Wortical liquid pressure should be considered as dead lead St..."refers only to liquid in a task or to the unter in the soil as well and, therefore, what lood factors should be assigned in the calculation of moments due to heavent forces. In short, it is not clear whether subsurface unter is part of the soil or should be trueted as liquids as if it were contained in a task.

Unfortunately, the Commentary does not provide any pridance on the subject. Movid you please present my inquiry to the Committee and provide us with an appropriate explanation.

Siacerely,

Somuld E. Lipiasti Structurol Engineering Branch Sivision of Systems Sufety